

Rochester, New York: a severe hail storm occurred at Corn-  
ing, Steuben county, between 8 and 9 p. m. on the 30th. Re-  
ports from Onondago county state that a destructive hail storm  
occurred in the northern part of that county on the above date,  
the unharvested tobacco crop being almost entirely ruined.  
During the early morning of the 31st a very severe hail storm  
passed over Batavia, Genesee county, the hail-stones covering  
the ground to a depth of three inches. Much damage was done  
to crops.

West Las Animas, Colorado: on the 24th heavy rain fell  
between 7.50 and 8.55 p. m., and from 8.10 to 8.40 p. m. the  
storm was accompanied by hail. In the surrounding country  
the alfalfa and millet crops and garden vegetables were beaten  
to the ground, and on the prairies many small animals and  
birds were killed. The rainfall and melted hail amounted to  
1.92 inches, the greater part of which fell in thirty minutes.  
The wind reached a velocity of thirty-three miles per hour at  
West Las Animas. This storm is considered one of the most  
severe that has ever occurred in that vicinity.

Hail-storms, of which no particulars were reported, occurred  
in the various states and territories, as follows:

*Arizona*.—Fort Apache, 3d; Fort Verde, 5th.

*Colorado*.—Pueblo, 1st, 29th; Braddock, 6th, 27th; Pike's  
Peak, 10th, 11th, 15th, 23d.

*Connecticut*.—North Colebrook, 19th; Hartford, 24th.

*Dakota*.—Fort Sully, 1st, 6th; Forts Totten and Bennett,  
7th; Bismarck, 9th.

*Illinois*.—Cairo, 2d; Chicago, 3d; Windsor, 7th.

*Iowa*.—Dubuque, 3d; West Union, 17th; Keokuk, 18th.

*Kansas*.—Westmoreland and Yates Centre, 3d; Maud and  
Sterling, 14th.

*Massachusetts*.—Worcester, 1st.

*Minnesota*.—Saint Vincent, 2d; Moorhead, 4th; Saint Paul  
and Fort Snelling, 16th.

*Montana*.—Forts Benton and Maginnis, 26th.

*Nebraska*.—Columbus, 5th; Crete, 23d.

*New Jersey*.—Beverly, 25th.

*New Mexico*.—Lava, 28th; Gallinas Springs, 30th, 31st.

*New York*.—Rochester, 14th; Palermo, 18th, North Volney,  
19th; Buffalo, 21st; Humphrey, 27th; Ithaca, 30th.

*Ohio*.—Wauseon, 1st, 4th; Tiffin, 30th.

*Pennsylvania*.—Quakertown and Dyberry, 1st; Wells-  
borough, 4th, 13th; Drifton, 5th.

*South Carolina*.—Stateburg, 8th.

*Tennessee*.—Milan, 1st; Knoxville, 16th.

*Utah*.—Salt Lake City, 25th.

*Virginia*.—Fort Myer, 19th.

*Wisconsin*.—Beloit, 6th; La Crosse, 17th; Milwaukee, 17th,  
21st.

*Wyoming*.—Fort Bridger, 5th, 8th; Fort Fred Steele, 28th.

#### SNOW.

Snow is reported to have fallen during the month at the fol-  
lowing places:

Pike's Peak, Colorado, 12th, 17th, 18th, 20th, 25th, 27th,  
28th. The observer also reports that at the close of the month  
traces of snow remained on the sides of the mountain.

Hartford, Connecticut: snow fell at this place on the 26th;  
this is the earliest fall of snow ever recorded in August.

Mount Washington, New Hampshire, 26th, 28th, 29th.  
Wilkesbarre, Pennsylvania: at Harvey's Lake, ten miles  
distant, snow fell at intervals all day on the 26th.

#### SLEET.

The occurrence of sleet during the month has been reported  
from but one station, viz., Pike's Peak, Colorado, on the follow-  
ing dates, 4th, 5th, 11th, 12th, 13th, 19th, 20th, 21st, 23d to  
27th, 29th, 30th 31st.

#### PRECIPITATION FROM CLOUDLESS SKY.

Lead Hill, Arkansas, 10th: at about 11 p. m. a light sprinkle  
of rain fell; the sky was partly cloudy in north and northwest,  
but it was entirely clear over head, and the air calm.

#### COTTON REGION REPORTS.

The following table shows the means of the maximum and  
minimum temperatures, and the average rainfall for the sev-  
eral cotton districts, for the month of August, 1885, together  
with the averages for the three preceding years:

Temperature and rainfall data for the cotton districts, August, 1885.

Districts.	Rainfall.			Temperature.								Extremes for Aug., 1885.	
	Average for Aug. of three preceding years.	Average for Aug., 1885.	Departures.	Maximum.			Minimum.						
				Mean for Aug. of three pre- ceding years.	Mean for Aug., 1885.	Departures.	Mean for Aug. of three pre- ceding years.	Mean for Aug., 1885.	Departures.				
									Max.	Min.			
New Orleans...	4.34	3.58	- 0.76	91.1	91.1	0.0	70.6	72.6	+ 2.0	101	60		
Savannah.....	5.35	0.92	- 4.43	90.7	91.0	+ 0.3	70.7	72.5	+ 1.8	101	60		
Charleston.....	5.94	11.39	+ 5.45	89.0	89.5	+ 0.5	68.8	69.7	+ 0.9	99	58		
Atlanta.....	4.36	5.33	+ 0.97	87.6	88.7	+ 1.1	67.0	68.8	+ 1.8	98	58		
Wilmington.....	4.32	4.05	- 0.27	88.2	88.4	+ 0.2	67.3	67.3	0.0	100	51		
Memphis.....	3.15	1.10	- 2.05	87.9	90.7	+ 2.8	65.6	67.2	+ 1.6	103	45		
Galveston.....	2.65	1.34	- 1.31	94.0	94.2	+ 0.2	70.1	71.9	+ 1.8	105	48		
Vicksburg.....	3.53	1.91	- 1.62	90.7	91.0	+ 0.3	69.1	69.3	+ 0.2	99	47		
Montgomery.....	3.27	3.55	+ 0.28	89.0	90.9	+ 1.9	67.8	69.5	+ 1.7	104	56		
Augusta.....	3.64	4.31	+ 0.67	89.8	91.2	+ 1.4	67.5	69.3	+ 1.7	107	58		
Little Rock.....	2.77	1.49	- 1.28	90.1	92.6	+ 2.5	65.2	67.1	+ 1.9	104	45		
Mobile.....	2.99	2.85	- 0.14	92.0	92.6	+ 0.6	68.8	71.0	+ 2.2	106	49		

The rainfall, as compared with the average for the three pre-  
ceding years, is excessive in the districts of Atlanta, Augusta,  
Charleston, Montgomery, and Savannah; it was deficient in  
the remaining districts. The most marked departures are  
+5.45 for the district of Charleston, and -2.05 for the district  
of Memphis.

The means of the maximum and minimum temperatures were  
normal, or slightly above, in all districts.

#### TEMPERATURE OF WATER.

The following table shows the highest and lowest tempera-  
tures of water observed at the several stations; the monthly  
ranges of water temperature; the average depth at which the  
observations were made; and the mean temperature of the air:

Temperature of water for August, 1885.

Station.	Temperature at bottom.		Range.	Average depth, feet and tenths.	Mean tempera- ture of the air at station.
	Min.	Max.			
Atlantic City, New Jersey.....	81.6	73.4	8.2	5.0	73.1
Alpena, Michigan.....	73.6	58.1	15.5	12.9	59.1
Augusta, Georgia.....	83.5	74.4	9.1	6.1	79.2
Baltimore, Maryland.....	85.1	77.0	8.1	10.7	74.6
Block Island, Rhode Island.....	69.4	62.2	7.2	0.3	68.7
Boston, Massachusetts.....	70.9	59.7	11.2	20.4	67.4
Buffalo, New York.....	77.0	67.2	9.8	9.1	64.7
Canby, Fort, Washington Territory.....	67.9	59.1	8.8	15.1	57.8
Cedar Keys, Florida.....	88.7	80.1	8.6	8.8	82.0
Charleston, South Carolina.....	85.4	75.4	10.0	37.5	80.6
Chicago, Illinois.....	71.5	61.7	7.8	8.4	68.1
Chincoteague, Virginia.....	85.0	72.3	12.7	3.7	75.0
Cleveland, Ohio.....	75.3	67.1	8.2	14.0	65.8
Detroit, Michigan.....	76.0	63.7	12.3	24.6	66.7
Duluth, Minnesota.....	67.5	59.1	8.4	10.3	60.9
Eastport, Maine.....	54.5	48.1	6.4	16.4	60.1
Escanaba, Michigan.....	74.3	56.3	18.0	18.2	59.6
Galveston, Texas.....	87.5	83.7	3.8	12.7	84.2
Grand Haven, Michigan.....	74.8	64.1	10.7	19.0	60.8
Indianola, Texas.....	87.3	83.3	4.0	8.6	82.8
Jacksonville, Florida.....	89.0	82.0	7.0	18.0	80.7
Key West, Florida.....	90.5	86.2	4.3	17.4	85.1
Mackinac City, Michigan.....	69.0	59.2	10.0	10.0	59.3
Macon, Fort, North Carolina.....	84.3	77.7	6.6	12.6	78.8
Milwaukee, Wisconsin.....	65.5	55.0	10.5	8.0	63.1
Mobile, Alabama.....	87.5	83.0	4.5	16.1	79.0
New Haven, Connecticut.....	77.4	70.3	7.1	16.7	67.8
New London, Connecticut.....	72.0	66.2	5.8	11.9	68.4
New York City.....	77.8	72.1	5.7	15.7	70.8
Norfolk, Virginia.....	84.4	74.7	9.7	16.5	77.9
Pensacola, Florida.....	87.2	79.4	7.8	17.4	80.8
Portland, Maine.....	66.1	56.6	9.5	16.7	64.1
Portland, Oregon.....	75.4	67.3	8.1	49.8	66.5
Sandusky, Ohio.....	81.0	66.4	14.6	11.8	67.5
Sandy Hook, New Jersey.....	76.6	72.2	4.4	2.2	71.8
San Francisco, California.....	63.7	60.0	3.7	37.1	58.1
Savannah, Georgia.....	86.0	79.2	6.8	10.3	81.5
Smithville, North Carolina.....	87.1	74.8	12.3	10.9	79.5
Toledo, Ohio.....	81.1	67.4	13.7	13.7	66.9
Wilmington, North Carolina.....	87.3	73.0	14.3	13.9	79.7

\* Record for 29 days.

† Record for 16 days.

‡ Record for 27 days.